

CREATION DATE: 05/28/2007

REVISION DATE: 02/24/2015

**SECTION 1      CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****a) Product Name: LGflex GL300****b) Recommended use of the chemical and restrictions on use:**

- Recommended use : Sheet, Gloves, Wallpaper, Toy
- restrictions on use : no data available

**c) Manufacturer/Supplier/Distributor Information**

- Name: LG Chem, Ltd.
- Address
  - Ulsan Plant : 388, MANGYANG-RI, ONYANG-EUP, ULJU-GUN, ULSAN-CITY 689-901, KOREA
  - Naju Plant : 1, SONGWAL-DONG, NAJU-SI, JEOLLANAM-DO, 520-130, KOREA
- Emergency phone number : 82-52-231-4061, 82-61-330-1261

**SECTION 2      HAZARDS IDENTIFICATION****a) Hazard/Risk Classification**

- Chronic aquatic toxicity : Category 4

**b) Label elements including precautionary statements**

- Symbol : no symbol
- Signal Word : no signal word
- Hazard/Risk Statement : May cause long lasting harmful effects to aquatic life
- Precautionary Statement : no data available

**c) Other Hazard/Risk which are not included in the classification criteria**

(e.g. dust explosion hazard):

- NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

**SECTION 3      COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Name   Other name   CAS number or   Other identification number   Content (%)**

Chemical Name	Trade name/Synonym	CAS number	Content(%)
BIS(2-ETHYLHEXYL)-1,4-BENZENEDICARBOXYLATE	1,4-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL)	6422-86-2	100

## **SECTION 4      FIRST AID MEASURES**

### **a) Eye contact:**

**Wash eyes immediately with large amounts of water**

**If easy to do, remove contact lenses.**

**Get medical attention if symptoms persist.**

### **b) Skin contact:**

**Remove contaminated clothing and shoes immediately.**

**Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).**

**Get medical attention if symptoms persist.**

### **c) Inhalation:**

**If symptomatic, move to fresh air immediately.**

**If the patient don't breath, do CRP**

**Keep warm and comfortable**

**According to symptoms, treat the patient supportively**

**Get medical attention if symptoms persist.**

### **d) Ingestion:**

**If the patient have a consciousness and don't seizure, keep the head under hips.**

**According to symptoms, treat the patient supportively.**

**Seek medical advice.**

### **e) Indication of immediate medical attention and notes for physician**

**there is no specific antidote**

**According to symptoms, treat the patient supportively**

## **SECTION 5      FIRE FIGHTING MEASURES**

### **a) Suitable (and unsuitable) extinguishing media:**

- Suitable extinguishing media : Dry chemical, carbon dioxide, water spray or regular foam**
- Unsuitable extinguishing media : no data available**
- Large fires : water, smog or regular foam**

### **b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products): Thermal decomposition products - oxides of carbon**

### **c) Special protective equipment and precautions for fire-fighters:**

**Full firefighting turn-out gear (bunker gear).**

**Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.**

**Any self-contained breathing apparatus with a full facepiece.**

## **SECTION 6      ACCIDENTAL RELEASE MEASURES**

- a) Personal precautions, protective equipment and emergency procedures:**  
**Stop leak if you can do it without risk.**
- b) Environmental precautions and protective procedures: no data available**
- c) Methods and materials for containment and cleaning up:**
  - For Small spills: Absorb with sand or other non-combustible material.**  
**Collect spilled material in appropriate container for disposal.**  
**Keep unnecessary people away, isolate hazard area and deny entry.**
  - For Large spills : Flush spill area with water spray. Prevent run off from entering drains, sewers, or steams.**

## **SECTION 7      HANDLING AND STORAGE**

- a) Precautions for safe handling:**  
**No special precautionary health measure should be needed under anticipated conditions of use.**
- b) Conditions for safe storage (including any incompatibilities): Keep container closed.**

## **SECTION 8      EXPOSURE CONTROLS & PERSONAL PROTECTION**

- a) Control parameters (e.g. occupational exposure limit values, biological limit values):**  
**No occupational exposure limits established by OSHA, ACGIH, or NIOSH.**
- b) Appropriate engineering controls:**  
**Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.**
- c) Personal protective equipment**
  - Respiratory protection:**  
**Under conditions of frequent use or heavy exposure, respiratory protection may be needed.**  
**Respiratory protection is ranked in order from minimum to maximum.**  
**Consider warning properties before use.**  
**Any chemical cartridge respirator with organic vapor cartridge(s).**  
**Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s).**  
**Any air-purifying respirator with a full facepiece and an organic vapor canister.**
  - Eye protection: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.**
  - Hands protection: Wear appropriate chemical resistant gloves.**
  - Body protection: Wear appropriate chemical resistant clothing.**

## **SECTION 9      PHYSICAL AND CHEMICAL PROPERTIES**

- a) Appearance (physical state, color etc): colorless to pale yellow, oily liquid
- b) Odor: almost odorless
- c) Odor threshold: no data available
- d) pH: no data available
- e) Melting point/freezing point: -54 F (-48 °C)
- f) Initial boiling point and boiling range: 752 F (400 °C)
- g) Flashing point : 460 F (238 °C)
- h) Evaporation rate: no data available
- i) Flammability Class(OSHA): IIIB
- j) Upper/lower flammability or explosive limits: no data available
- k) Vapor pressure: 1.0 mmHg @ 20 °C
- l) Solubility: no data available
- m) Vapor density: no data available
- n) Relative density: 0.9835 @ 20 °C
- o) Partition coefficient: n-octanol/water: no data available
- p) Auto-ignition temperature: no data available
- q) Decomposition temperature: no data available
- r) Viscosity: no data available
- s) Formula mass: 390.56

## **SECTION 10      STABILITY AND REACTIVITY**

- a) Chemical stability and possibility of hazardous reactions:  
Stable under normal temperatures and pressures.  
Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
- b) Conditions to avoid (e.g. static discharge, shock or vibration, etc):  
Avoid heat, flames, sparks and other sources of ignition.  
Avoid contact with incompatible materials.
- c) Incompatible materials: oxidizing materials
- d) Hazardous decomposition products: Thermal decomposition products - oxides of carbon

## **SECTION 11      TOXICOLOGICAL INFORMATION**

- a) Information on the likely routes of exposure: no data available
- b) Health hazards information
  - Acute toxic: no data available
  - Skin corrosive/irritant: no data available

- Serious eye damage/eye irritation: no data available
- Respiratory sensitization: no data available
- Skin sensitization: no data available
- Carcinogenicity: no data available
- Germ Cell Mutagenicity : no data available
- Reproductive toxicity: no data available
- Specific target organ toxicity (single exposure): no data available
- Specific target organ toxicity (repeated exposure): no data available
- Aspiration hazard: no data available

## SECTION 12 ECOLOGICAL INFORMATION

a) Aquatic and terrestrial ecotoxicity: no data available

b) Persistence and degradability:

- Persistence: log Kow 8.39

※ Source : Chemical Risk Information Platform (CHRIP)(<http://www.safe.nite.go.jp/english/db.html>)

- Degradability: no data available

c) Bioaccumulative potential: no data available

d) Mobility in soil: Koc 870,000

※ Source : National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)  
(<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)

e) Other adverse effects: no data available

## SECTION 13 DISPOSAL CONSIDERATIONS

a) Disposal method: Incinerate

Discharge, treatment, or disposal may be subject to national, state or local laws.

b) Disposal precaution (including the disposal method of contaminated container and packaging):

Discharge, treatment, or disposal may be subject to national, state or local laws.

## SECTION 14 TRANSPORT INFORMATION

a) UN number: no classification

b) UN proper shipping name: N/A

c) Transport hazard class: N/A

d) Packing group (if applicable): N/A

e) Marine pollution (yes/no): N/A

f) Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: N/A

## SECTION 15 REGULATORY INFORMATION

- a) Industrial Safety and Health Act: no data available
- b) Toxic Chemical Control Act
- U.S. REGULATIONS
- TSCA inventory status: Listed.
- TSCA 12b export notification: Not listed.
- c) Dangerous Material Safety Control Act: no data available
- d) Wastes Management Act: no data available
- e) Other requirements in domestic and other countries: no data available

## SECTION 16 OTHER INFORMATION

- a) Information source and references:  
The chemical Database, The Department of Chemistry at the University of Akron  
(<http://ull.chemistry.uakron.edu/erd>)  
National Library of Medicine(NLM)(<http://toxnet.nlm.nih.gov/cgi-bin/sis/>)  
TOMES; RTECS
- b) Issuing date: 05/28/2007
- c) Revision number and date: 7th Revision 02/24/2015
- d) others: -

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